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	SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
i	135,685	03/31/80	Saul W. Brusilow et al.	JHC-1031

FEDWIN T. YATES
JOHNS HOPKINS UNIVERSITY
GARLAND HALL
BALTIMORE. MD. 21218

EXAMINER				
Cacciapaglia				
ART UNIT	PAPER NUMBER			
125	MAILED			

This is a communication from the exeminer in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

JUN 1 7 1980

			GROUP 120
This epplication has been examined.	_	_	Y/80This ection is made fina
A shortened statutory period for response to	this action is set to expire	month(s),	eys from the date of this letter.
Failure to respond within the period for resp	onse will cause the application to	become abandoned. 35 L	J.S.C. 133
Part I THE FOLLOWING ATTACHMEN		ION:	
1. Notice of References Cited, Form	PTO-892. 2.	Notice of Informel Petent	
3. Notice of Informel Patent Applice	tion, Form PTO-152. 4.		
Part II SUMMARY OF ACTION			
1. Cleims / - 10	100		are pending in the application.
Of the ebove, cleims			ere withdrawn from consideration
2. Cleims			have been cencelled.
3. Cleims			ere allowed.
4. ✓ Claims			ere rejected.
5. Cleims			ere objected to.
6. Cleims		are subject	t to restriction or election requiremen
7. The formel drewings filed on		are eccept	able.
8. The drewing correction request fli	ed on	has been	epproved. disapproved.
9. Acknowledgment is made of the c	eim for priority under 35 U.S.C.	119. The certified copy has	
been received. Inot be	en received 🔲 been filed in p	erent epplication, seriel no	
	filed on		
Since this application eppears to b     cordence with the practice under l			tion as to the merits is closed in ec-
11. Other			•

Brusilow 135,685

A process for controlling waste nitrogen accumulation diseases in humans, caused by an impairment in the synthesis of urea from ordinary waste nitrogen in the body or in the excretion thereof, said process comprising administering an effective amount of at least one compound selected from the group consisting of benzoic acid, phenylacetic acid and the non-toxic, pharmaceutically-acceptable salts of said acids to a human suffering from such waste nitrogen accumulation disease, the amount of compound used being sufficient to react with the waste nitrogen to form an amino acid acylation product for urinary discharge of said product.

GROUP ART UNIT

PART III (A)

SERIAL 135685

NOTIFICATION OF REJECTION(S) AND/OR OBJECTION(S) (35 USC 132)

	CLAIMS (1)	REASONS FOR REJECTION (2)	REFERENCES *	INFORMATION IDENTIFICATION AND COMMENTS (4)	
	1-10	35 USC 1/2		Cl I fails to spicify administration to a	
1		2nd par.		diseased host for treatment of a spirific	
				purpose and what the "effective amount"	
				is effective for "Suffering (see par, 5)	
	1-10	35 USC 103	R,S,T,U,V, &W	R teacher administration of ha Benzoate to man	
2				and conversion to winary hippuric acid;	
				that normal war and NH3 -N content of	
				wrine is lowered as a result. (see par. 6)	
				J	
3					
			1		
4					
5				cumulation" is not deemed always to	
	involve a disease condition requiring treatment, there being				
	a continual normal natural accumulation before voiding.				
af	El & does not patentably distinguish from cl 1. moreover				
1	"Hochanged as winary mitrogen" cla 3,8,10 appears mis-				
1	descriptive, the synthesized compounds being excreted as such.				
-	Cl 10 is indefinite, stating only a desired result without				
	reciting the reguisite steps.				
6 Steacher marked increase of winary-N (hippuri			rease of winary-N (hippuric acid)		
	after	admin	istration	of benzoic acid in prop (See par 5, pg 3)	
* Capital letters representing references are identified on accompanying Form PTO-892					
The symbol "v" between letters represents - in view of					
A slash "/" between letters represents the alternative - or  Raciarage  Raciarage					
NOTE: Sections 100, 101, 102, 103, and 112 of the Patent Statute (Title 35 of the United States Code) are reproduced on the back of this sheet.					
				2.43	

35 U.S.C. 100. Definitions. When used in this title unless the context otherwise indicates —

(a) The term "invention" means invention or discovery.

- (b) The term "process" means process, art or method, and includes a new use of a known process, machine, manufacture, composition of matter, or material.
- (c) The terms "United States" and "this country" mean the United States of America, its territories and possessions.
- (d) The word "patentee" includes not only the patentee to whom the patent was issued but also the successors in title to the patentee.

35 U.S.C. 101. Inventions patentable. Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

35 U.S.C. 102. Conditions for patentability; novelty and loss of right to patent. A person shall be entitled to a patent unless —

- (a) the invention was known or used by others in this country, or patented or described in a printed publication is this or a foreign country, before the in—vention thereof by the applicant for patent, or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or

(c) he has abandoned the invention, or

- (d) the invention was first patented or cause to be patented by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application filed more than twelve months before the filing of the application in the United States, or (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent.
- (f) he did not himself invent the subject matter sought to be patented, or (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respec tive dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

35 U.S.C. 103. Conditions for patentability; non-obvious subject matter. Apatent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior att are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains, patentability shall not be negatived by the manner in which the invention was made.

35 U.S.C. 712. Specification. The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention. A claim may be written in independent or dependent form, and if in dependent form, it shall be construed to include all the limitations of the claim incorporated by reference into the dependent claim.

An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof,

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GROUP ART UNIT

PART III (ع) .

	NOTIFICATION OF REJECTION(S) AND/OR OBJECTION(S) (35 USC 132)						
	CLAIMS (1)	REASONS FOR REJECTION (2)	REFERENCES *	INFORMATION IDENTIFICATION AND COMMENTS (4)			
1				-			
2							
			,				
3							
4			3				
5	(contid from pg 2, par. 6) T and U teach administration of phenyl						
	acetic acid, respectively, to rabbits and man, The latter reference						
	show	ing urinary glutamine conjugates. Vand W are cumula-					
		tive as showing affinity of applicants' compounds for					
		systemic nitrogen in vivo in humans. To administer					
	said compounds where it is decired to lower systemic						
	ntrogen is obvious as is the employment of same						
	for treatment of the enumerated diseases.						

Capital letters representing references are identified on accompanying Form PTO-892
The symbol "v" between letters represents - in view of -.

The symbol "+" or "&" between letters represents - and -. A slash "/" between letters represents the alternative - or -.

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Art Unit 125

34-3

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(C) he has abandoned the invention, or

- (d) the invention was first patented or cause to be patented by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application filed more than twelve months before the filing of the application in the United States, or (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the appli cant for patent, or
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